

Shorts Shortcut

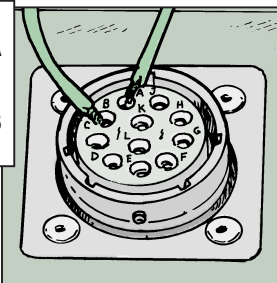
Dear Editor,

TM 9-1375-215-14&P says to check the MICLIC's continuity by connecting the electrical armament system control box to the safety box and the safety box to the charge box before testing with the M51 blasting cap test set. That will show a short, but not its location. Perfectly good components are sometimes replaced as a result.

We've found it more effective to test each component individually like this:

Make a shunt wire from a 2-in piece of commo wire. Hook the M51 to the control box. Connect the shunt to the box's A and B holes to test ROCKET and to the B and C holes for the CHARGE test. If the M51 light lights up for both tests, the box is good.

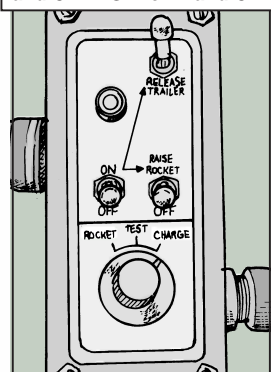
First test in A and B, then test in B and C



Next connect the W3 cable to the control box. Do the same test for the W3's A and B, and B and C

holes. Set the selector to ROCKET for the A-B check and to CHARGE for the B-C check.

Set to ROCKET for A and B, and CHARGE for B and C



If it's good, connect the W5 cable and do the same checks.

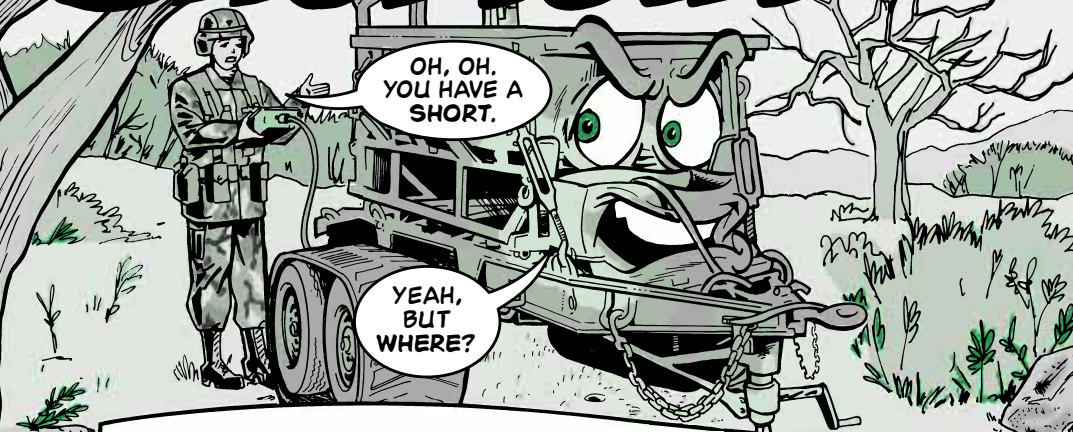
If the W5's OK, plug it into the safety box. Lower

the launch rail and do the same A-B and B-C tests on the safety box cable. The M51 shouldn't light up on either test. Raise the rail and do the two tests again. Now the M51 should light up.

Lower the rail and plug the safety box cable into the tub's charge box. Do the normal continuity test.

If at any point a box or cable flunks the test, you know immediately what must be replaced.

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FROM THE DESK OF THE Editor

TM 9-1375-215-13&P is replacing the -14&P and has an improved procedure, but both procedures will work fine for troubleshooting. If you don't have the new TM, get your pubs clerk to order it.

SEE/HMMH Video

A 17-minute video on operating and maintaining the small emplacement excavator and high mobility material handler details problem areas and shows how to avoid failures.

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